

REMARKS

Claims 1-3, 6, 10, 13-15 and 18-21 are pending in this application. Claims 1 and 13 are independent claims. By this Amendment, claims 4, 5, 7-9, 11, 12, 16 and 17 are cancelled without prejudice or disclaimer. Claims 19-21 are added. No new matter is added.

Drawing Objections

The drawings are objected to for allegedly failing to show claimed features. Specifically, it is alleged that the figures fail to show “grooves” (claim 13), layer (claims 2, 14), “in series” (claims 4, 8, 16), “in parallel” (claims 5, 9, 17) and “magnetic levitation railroad” (claim 7).

As claims 4, 5, 7-9, 10, 12, 16 and 17 are cancelled, the objection to the drawings based on features recited in those claims is moot.

Applicants respectfully submit that the “layers” and “grooves” are discernable in Fig. 1. For example, as denoted on Fig. 1, the windings 6-8 are placed in the same slots or grooves as the windings 3-5. Thus, the windings 3-5 and 6-8 are placed in the slots/grooves in layers.

Rejections Under 35 U.S.C. §102

Claims 1-18 stand rejected under 35 U.S.C. §102(b) as being anticipated by US Patent 5,483,111 to Kuznestov. As claims 4, 5, 7-9, 11, 12, 16 and 17 are cancelled, the rejection of those claims is moot. The rejection of the remaining pending claims is respectfully traversed.

Kuznestov fails to disclose each and every feature recited in the rejected claims. For example, Kuznestov fails to disclose a long stator motor, comprising a stator iron in which slots are arranged for holding cable windings, with two cables running in one slot, wherein, in order to increase magnetic flux in the stator iron, at least two cable windings are arranged one above the

other, and at least two cables run one above the other in each slot, as recited in independent claim 1, or the similar features of independent claim 13.

Kuznestov relates to a high speed linear induction motor for a magnetically levitated vehicle (col. 1, lines 9-12). In Kuznestov, winding 68, 70, 72 are wound in stator teeth 57 of a stator 54 as a lower layer (Fig. 18). A tertiary coil 58 is wound on each of the windings 68, 70, 72. Thus, Kuznestov merely discloses a single cable winding 68, 70, 72 and not two cable windings as recited in the rejected claims.

Further, regarding claim 6, and the similar features of claims 10 and 18, Kuznestov also fails to disclose two three-phase windings, arranged one above the other, are in each case offset through 180° with respect to one another. Rather, Kuznestov merely discloses a single cable winding in a start formation (Fig. 7b) and therefore shows only an offset of 120°.

Because Kuznestov fails to disclose or suggest all of the features recited in the rejected claims, withdrawal of the rejection is respectfully requested.

New Claims

Kuznestov fails to disclose or suggest that the two cables are magnetic flux generating cables, as recited in new claim 19, the two cables are arranged in identical slots, one above the other, as recited in new claim 20, or an uppermost layer consists of three cable windings, as recited in new claim 21.

CONCLUSION

In view of the above remarks and amendments, Applicant respectfully submits that each of the rejections has been addressed and overcome, placing the present application in condition

for allowance. A notice to that effect is respectfully requested. If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to contact the undersigned.

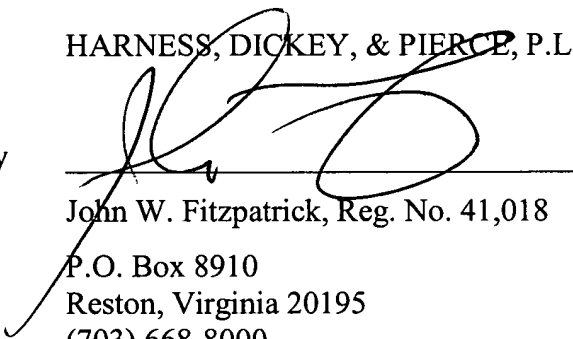
Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact John W. Fitzpatrick at the telephone number of the undersigned below.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

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By


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